| <br> | Claims |  |
|------|--------|--|
|      |        |  |

| Αp  | plication | ı/Cc  | ntrol                                   | No. |
|-----|-----------|-------|---|-----|
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10/631,061

Examiner

Pierre-Michel Bataille

Applicant(s)/Patent under Reexamination

FORRER ET AL.

Art Unit

2186

Rejected Allowed

(Through numeral) Cancelled Restricted

Non-Elected N Interference

**Appeal** Α 0 Objected

| Cla   | Date     |         |          |         |               |                           |  |  |          |          |  |  |  |
|-------|----------|---------|----------|---------|---------------|---------------------------|--|--|----------|----------|--|--|--|
|       |          |         |          |         |               |                           |  |  |          |          |  |  |  |
|       | Original | 12-8-05 | 4-28-06  | 9-16-06 |               |                           |  | l  |          |          |  |  |  |
| Final | iĝi      | ထုံ     | 8        | 9       |               |                           | 1  | İ  |          |          |  |  |  |
| ш     | ŏ        | 2       | 4        | 6       |               |                           |  |  |          |          |  |  |  |
|       |          |         |          |         |               | <u> </u>                  | L  | <u> </u>                                     | _        | Ш        |  |  |  |
|       | 1        | X       | Х        | Х       |               |                           | 1  |  |          | i i      |  |  |  |
|       | 2        | X       | х        | x       |               | Г                         | Г  |  |          |          |  |  |  |
|       | 3        | Х       | X        | X       | -             | $\vdash$                  | H  | $\vdash$                                     |          | $\vdash$ |  |  |  |
|       | -        |         | ÷        |         | ⊢             | ⊢                         | ├  | ├  |          |          |  |  |  |
|       | 4        | х       | Х        | Х       | ┞             | ļ                         | <u> </u>   | <u>.                                    </u> |          |          |  |  |  |
|       | 5        | Х       | X        | Х       |               |                           |  |  |          |          |  |  |  |
|       | 6        | Х       | Х        | Х       |               |                           |  |  |          |          |  |  |  |
|       | 7        | Х       | X        | X       |               |                           |  |  | Г        |          |  |  |  |
|       | 8        | х       | Х        | X       |               |                           |  |  | $\vdash$ | П        |  |  |  |
|       | 9        | X       | X        | x       | -             | -                         | ├  |  | $\vdash$ | -        |  |  |  |
|       |          |         |          |         | ┝             | ├                         | ├  | ├  | -        | Н        |  |  |  |
|       | 10       | Х       | Х        | X       |               |                           |  | <u> </u>                                     | L        |          |  |  |  |
|       | 11       | Х       | Х        |         |               |                           |  |  |          |          |  |  |  |
|       | 12       | Х       | Х        | Х       |               |                           |  |  |          |          |  |  |  |
|       | 13       | х       | Х        | X       |               |                           |  |  |          | П        |  |  |  |
|       | 13<br>14 | X       | Ŷ        | x       | $\vdash$      |                           | $\vdash$   | $\vdash$                                     | $\vdash$ | Н        |  |  |  |
|       | 45       | 10      | 1        |         | -             | _                         | _  | $\vdash$                                     | ⊢        | Н        |  |  |  |
|       | 15       | Х       | Х        | Х       |               | <u> </u>                  | <u> </u>   | <u> </u>                                     | <u> </u> | Щ        |  |  |  |
|       | 16       | Х       | Х        | Х       |               |                           |  |  |          |          |  |  |  |
|       | 17       | Х       | Х        | X       |               |                           |  |  |          |          |  |  |  |
|       | 18       | Х       | Х        | х       | $\overline{}$ | $\overline{}$             |  |  |          |          |  |  |  |
|       | 19       | X       | X        | X       | $\vdash$      | $\vdash$                  |  |  | $\vdash$ | Н        |  |  |  |
|       | 19       | ÷       | ÷        |         |               | _                         | _  |  | _        | Н        |  |  |  |
|       | 20       | Х       | Х        | Х       | _             | L.                        |  |  | L_       | Ш        |  |  |  |
|       | 21       | Х       | X        | Х       |               |                           |  |  |          |          |  |  |  |
|       | 22       | Х       | Х        | Х       |               |                           |  |  |          |          |  |  |  |
|       | 23       | Х       | Х        | х       |               |                           |  |  |          |          |  |  |  |
|       | 24       | х       | Х        | Х       | $\vdash$      |                           |  |  |          |          |  |  |  |
|       |          |         | <b>(</b> |         | -             | $\vdash$                  | _  |  |          |          |  |  |  |
|       | 25       | Х       | Х        | X       | _             | <u> </u>                  | -  |  |          |          |  |  |  |
|       | 26       | Х       | Х        | Х       | _             | _                         | Ц.   | ļ  |          |          |  |  |  |
|       | 27       | Х       | Х        | Х       |               |                           |  |  |          |          |  |  |  |
|       | 28       | Х       | Х        | Х       |               |                           |  |  |          |          |  |  |  |
|       | 29       | х       | х        | х       |               | Г                         |  |  |          |          |  |  |  |
|       | 30       | x       | X        | X       | $\vdash$      | $\vdash$                  |  |  | -        | -        |  |  |  |
|       |          | 10      | 1        | H÷      | $\vdash$      | $\vdash$                  | _  | -  | ⊢        | $\vdash$ |  |  |  |
|       | 31       | Х       | Х        | Х       | <u> </u>      | $ldsymbol{ldsymbol{eta}}$ | _  | <u> </u>                                     | _        | Ш        |  |  |  |
|       | 32       | Х       | X        | Х       | L             | L                         | L  |  | L        | Ш        |  |  |  |
|       | 33       | Х       | Х        | Х       |               |                           |  |  |          |          |  |  |  |
|       | 34       | Х       | Х        | Х       |               | Г                         |  |  |          | П        |  |  |  |
|       | 35       | Х       | X        | X       | $\vdash$      | $\vdash$                  |  | Г  | Т        | Н        |  |  |  |
|       |          |         |          |         | $\vdash$      | $\vdash$                  | <del>                                     </del> | $\vdash$                                     | $\vdash$ | Н        |  |  |  |
|       | 36       | X       | X        | X       | <u> </u>      | $\vdash$                  |  | <u> </u>                                     | $\vdash$ | Н        |  |  |  |
|       | 37       | X       | X        | X       | <u> </u>      | $\vdash$                  |  |  | <u> </u> | Ш        |  |  |  |
|       | 38       | Х       | Х        | Х       | L             |                           |  |  | L        | Ш        |  |  |  |
|       | 39       | Х       | Х        | Х       | 1             | _                         |  |  |          |          |  |  |  |
|       | 40       | х       | х        | х       | <u> </u>      |                           |  |  |          | П        |  |  |  |
|       | 41       | X       | X        | X       | $\vdash$      | $\vdash$                  | $\vdash$   | $\vdash$                                     | $\vdash$ | Н        |  |  |  |
|       |          |         |          | _       | $\vdash$      | $\vdash$                  | H-   | $\vdash$                                     | $\vdash$ | Н        |  |  |  |
|       | 42       | Х       | Х        | X       | <u> </u>      | <u> </u>                  | L_   | L-   | L        | Ш        |  |  |  |
|       | 43       | Х       | X        | X       | <u></u>       |                           |  |  |          |          |  |  |  |
|       | 44       | Х       | X        | Х       |               | _                         | _  |  | _        | ıT       |  |  |  |
|       | 45       | х       | Х        | х       | Г             |                           |  |  |          | П        |  |  |  |
|       | 46       | x       | X        | X       | -             |                           | _  | $\vdash$                                     | $\vdash$ | Н        |  |  |  |
|       |          | -       |          | _       | -             | $\vdash$                  | _  | $\vdash$                                     | $\vdash$ | Н        |  |  |  |
|       | 47       | Х       | Х        | X       | <u> </u>      | <u> </u>                  | _  | <u> </u>                                     | <u> </u> | Н        |  |  |  |
|       | 48       | Х       | Х        | Х       |               |                           |  | L_   |          | Ш        |  |  |  |
|       | 49       |         | 1        | Χ       | L             | LĪ                        | LĪ   | L  | LĪ       |          |  |  |  |
|       | 50       |         |          |         |               |                           |  |  |          |          |  |  |  |
|       |          |         |          |         |               |                           |  |  |          |          |  |  |  |

| Cla      | aim            | <u> </u>     |              |              | [            | Date         | ——<br>Э      |  |              |  |
|----------|----------------|--------------|--------------|--------------|--------------|--------------|--------------|--|--------------|--|
|          |                | П            |              |              |              |              |              |  |              |  |
| Final    | Original       |              |              |              |              |              |              |  |              |  |
|          | 51<br>52<br>53 |              |              |              |              |              |              |  |              |  |
|          | 52             |              |              | L            | <u></u>      |              |              |  |              | _  |
|          | 53             |              |              |              |              |              |              |  | <u> </u>     |  |
|          | 54             |              |              |              |              |              |              |  |              |  |
|          | 54<br>55       |              |              |              |              |              |              |  |              |  |
|          | 56             |              |              |              |              |              |              |  |              |  |
|          | 57             |              |              |              |              |              |              |  |              |  |
|          | 58             |              |              |              |              | Γ            |              |  | Γ            | Γ  |
|          | 59             |              |              |              |              |              |              |  |              |  |
|          | 60             |              |              |              |              |              |              |  |              |  |
|          | 61             |              |              |              |              |              |              |  |              |  |
|          | 62             |              |              |              |              |              |              |  |              |  |
|          | 62<br>63       |              |              |              |              |              | 匚            | L  |              |  |
|          | 64             | <u> </u>     |              | _            | $oxed{oxed}$ | _            | $oxed{oxed}$ | <u> </u>   | <u> </u>     | <u> </u>   |
|          | 65             | _            |              | <u> </u>     | L            |              |              | <u> </u>   |              |  |
|          | 66             | <u> </u>     | <u> </u>     |              | _            | _            | _            | <u> </u>   |              |  |
|          | 67             | $\vdash$     | _            | ┡            | $\vdash$     | $\vdash$     | _            | _  |              | <u> </u>   |
|          | 68             | <u> </u>     | <u> </u>     | <del> </del> | <u> </u>     | $\vdash$     | <u> </u>     | <del>  -</del>                                   |              | <u> </u>   |
|          | 69<br>70       | $\vdash$     |              | _            | ļ            |              |              | -  |              | -  |
|          | 71             | ⊢            | <u> </u>     | -            | <u> </u>     | -            | -            | -  |              | -  |
| _        | 72             | $\vdash$     | ⊢            | ⊢            | ├            | $\vdash$     | ⊨            | -  | -            | -  |
|          | 72<br>73       |              | $\vdash$     |              |              |              |              |  | _            | _  |
|          | 74             |              |              |              | Г            |              |              |  |              |  |
|          | 75             |              |              |              |              |              |              |  |              |  |
|          | 76<br>77       |              |              | <u> </u>     |              |              |              |  |              | _  |
|          | 77             |              | _            |              |              |              |              | <u>L</u> .                                       | <u> </u>     |  |
| <u></u>  | 78             |              | <u> </u>     | <u> </u>     | L            |              |              | _  | _            |  |
|          | 79             | <u> </u>     | <u> </u>     | <u> </u>     | <u> </u>     | $oxed{oxed}$ | _            | _  | _            |  |
|          | 80             | _            | <u> </u>     | <u> </u>     | <u> </u>     | _            | _            | <u> </u>   | <u> </u>     | <u> </u>   |
| <u> </u> | 81             | -            | -            | ├—           | ┝            | H            | <u> </u>     | <u> </u>   |              | <u> </u>   |
| <u> </u> | 82<br>83       |              | <del> </del> | <u> </u>     | ┝            | $\vdash$     | H            | _  | ├            | -  |
| -        | 84             |              | $\vdash$     | ├─           | $\vdash$     | $\vdash$     | H            | -  |              | ├  |
|          | 85             | <del> </del> | ├            | $\vdash$     | $\vdash$     | H            | -            | -  | $\vdash$     | $\vdash$   |
| -        | 86             | $\vdash$     | $\vdash$     | $\vdash$     | $\vdash$     | -            | ┝            | <del>                                     </del> | $\vdash$     | -  |
| <b></b>  | 87             | $\vdash$     | $\vdash$     | 一            | $\vdash$     | -            | -            | ┢  | $\vdash$     | <del>                                     </del> |
|          | 88             |              | Г            | Γ            |              | П            |              | Г  |              | T  |
|          | 89             |              |              | Г            |              |              |              | Г  |              |  |
|          | 90             |              |              |              |              |              |              |  |              |  |
|          | 91             |              |              |              |              |              |              |  |              |  |
|          | 92             | _            |              | L            | L            | _            |              | L  | L            | <u> </u>   |
| <u></u>  | 93             |              | <u> </u>     |              | _            |              | _            | lacksquare                                       | _            |  |
| <u></u>  | 94             |              | _            | _            | $\vdash$     |              |              | _  | $\vdash$     | _  |
|          | 95             | <u> </u>     | <del> </del>                                     | ⊢-           | ├—   |
| <u> </u> | 96<br>97       | <u> </u>     | <u> </u>     | $\vdash$     | Ι            | <u> </u>     | <u> </u>     | -  | $\vdash$     | ⊢  |
| $\vdash$ | 98             | <u> </u>     | <u> </u>     | ├            | <u> </u>     |              |              | ⊢  | <del> </del> | H  |
|          | 99             | <u> </u>     |              |              | Η,           | -            | ٠.           | $\vdash$   | -            | <u> </u>   |
| <b></b>  | 100            | _            | _            | <del> </del> | $\vdash$     | Н            | -            | $\vdash$   | ├            | $\vdash$   |

| Cla      | im       | Date    |         |         | Claim Date |   |          |          |        |          |          |          | Γ        | Cla           | aim    | Date   |          |          |           |           |     |        |          |          |          |          |        |          |           |          |          |           |
|----------|----------|---------|---------|---------|------------|---|----------|----------|--------|----------|----------|----------|----------|---------------|--------|--------|----------|----------|-----------|-----------|-----|--------|----------|----------|----------|----------|--------|----------|-----------|----------|----------|-----------|
| Ť        |          |         |         |         | ΠĪ         |   | Ť        |          | П      | $\dashv$ | <u> </u> |          | $\vdash$ | $\neg \vdash$ | T      |        | Т        | Т        | $\neg$    | $\dashv$  | l   |        |          |          | $\neg$   |          | ī      |          |           | Т        | $\neg$   | $\dashv$  |
| <u>_</u> | Original | 12-8-05 | 4-28-06 | 9-16-06 |            |   |          |          |        |          | <u></u>  | Original |          |               |        |        |          |          |           |           |     | ल      | Original |          |          |          |        |          |           | . 1      |          |           |
| Final    | rig      | 28      | 8       | 9       |            |   |          |          |        |          | Final    | ij       |          |               |        |        |          |          |           |           |     | Final  | ij       |          |          | ļ        |        |          |           |          |          |           |
| _        | 0        | -       | 4       | اب      |            |   |          |          |        |          |          | 10       |          |               |        |        |          |          |           |           | - 1 | _      | 0        |          | ĺ        |          | .      |          |           | , [      |          |           |
|          | 1        | x       | x       | x       |            |   | $\vdash$ | $t^{-}$  | Н      | $\dashv$ |          | 51       | $\Box$   | $\neg$        | $\top$ | Н      |          | _        | 十         | ┪         | r   |        | 101      | ヿ        | 寸        |          |        |          |           | 一        | ᅥ        | ╗         |
|          | 2        | X       | X       | X       | П          |   | Ι        | -        | Н      | $\dashv$ | $\vdash$ | 52       |          | $\dashv$      | $\top$ | Н      | $\neg$   | $\neg$   | 7         | ┪         | -   |        | 102      | $\neg$   | ┪        |          |        |          | _         | $\neg$   | 寸        | _         |
| $\neg$   | 3        | Х       | X       | X       | т          |   | Г        | $\vdash$ | П      | _        |          | 53       |          | $\top$        | 1      | П      |          | 寸        | 十         | ┪         | -   |        | 103      |          | $\dashv$ |          |        |          | _         | $\neg$   | ᅥ        | _         |
|          | 4        | х       |         | х       |            |   |          | 1        |        | _        |          | 54       | $\Box$   | _             | 1      |        | $\neg$   | $\dashv$ | 十         | ┪         | ı   |        | 104      |          |          |          |        |          |           | $\neg$   | ヿ        |           |
|          | 5        | х       | Х       | Х       |            | - |          |          | П      | _        |          | 55       |          | $\top$        | 1      | П      | ヿ        | 一十       | ヿ         | $\neg$    | -   | -      | 105      |          |          |          |        |          |           | 一        | ヿ        | $\neg$    |
|          | 6        | Х       | Х       | х       |            |   |          |          |        | $\neg$   |          | 56       |          |               | 1      | П      | $\neg$   | 1        | 十         | ヿ         | T   |        | 106      |          | $\neg$   |          |        |          |           | $\dashv$ | 一        | ╗         |
|          | 7        | х       | X       | х       |            |   |          |          | П      |          |          | 57       |          |               | $\top$ | m      | $\dashv$ | 十        | 寸         | $\neg$    | Ī   |        | 107      |          | ヿ        |          |        |          |           | $\neg$   | T        | ╗         |
| $\neg$   | 8        | х       |         | X       |            |   |          |          | П      |          |          | 58       |          | $\top$        | _      | $\Box$ |          | 一十       | 7         | $\neg$    | Ī   |        | 108      |          | $\neg$   |          |        |          |           | 一        | ヿ        |           |
| ヿ        | 9        | х       | х       | х       |            |   |          |          | П      |          |          | 59       |          | $\top$        | T      |        | $\neg$   | $\neg$   | ℸ         | ヿ         | Ī   |        | 109      |          | $\neg$   | -        |        |          | $\neg$    | $\Box$   | コ        |           |
|          | 10       | х       | х       | х       |            |   | $\vdash$ |          | $\Box$ |          |          | 60       |          |               | 1      | П      | 寸        | 一十       | ヿ         | ヿ         | Ī   |        | 110      |          | ┪        |          |        | $\neg$   |           | $\neg$   | $\neg$   | _         |
|          | 11       | х       | х       |         |            |   |          |          |        |          |          | 61       | П        |               | T      | П      | T        |          | $\neg$    | $\neg$    | Ī   |        | 111      |          | 1        |          |        |          |           |          | $\neg$   | $\neg$    |
| ヿ        | 12       | X       | х       | х       |            |   |          |          |        |          |          | 62       | П        |               | ·      | П      | コ        | 一        | $\neg$    | $\neg$    | ı   |        | 112      |          |          |          |        |          |           | T        |          | 7         |
|          | 13       | х       | Х       | Х       |            |   |          | П        | $\Box$ |          |          | 63       |          | $\dashv$      | 1      | $\Box$ | 寸        |          | 1         | ┪         | ┢   |        | 113      |          |          |          |        |          |           | $\neg$   | 一        | ヿ         |
|          | 14       | X       | X       | х       |            |   |          |          | П      |          |          | 64       |          | +             | _      | П      | 寸        | 一十       | ヿ         | $\neg$    | r   |        | 114      |          | 寸        |          |        |          |           | $\neg$   | 寸        | $\neg$    |
| $\neg$   | 15       | х       | Х       | х       | П          |   |          |          | П      | $\neg$   |          | 65       | $\vdash$ | 十             | T      | H      | ヿ        | 一        | $\neg$    |           | ı   |        | 115      |          | T        |          |        |          |           | $\neg$   | 寸        | $\neg$    |
|          | 16       | Х       |         | х       | Н          |   |          |          | $\Box$ | $\dashv$ |          | 66       | H        | $\top$        | +-     |        |          |          | 1         | ╗         | 上   |        | 116      |          | $\neg$   |          |        |          |           | $\dashv$ | ヿ        | ┪         |
| $\neg$   | 17       | X       | х       | Х       |            |   |          |          | $\Box$ | $\dashv$ |          | 67       |          |               | $\top$ | П      | $\neg$   | 十        | $\top$    | $\dashv$  | ı   |        | 117      | $\neg$   | 寸        |          |        | $\neg$   | $\neg$    | $\neg$   | $\neg$   | $\neg$    |
|          | 18       | х       | X       | X       | $\neg$     |   | _        |          | $\Box$ |          |          | 68       | $\Box$   | $\dashv$      | T      | П      | 寸        | T T      | 1         | ╡         | 上   |        | 118      | _        | $\neg$   |          |        | $\dashv$ | ┪         | $\dashv$ | ┪        | _         |
| _        | 19       |         | X       | Х       |            |   |          | H        | Н      | _        |          | 69       |          | $\dashv$      | †      | Н      | 寸        |          | +         | ╛         | ┢   | $\neg$ | 119      | $\dashv$ | ┪        | ┪        |        | $\dashv$ | ᅥ         | $\neg$   | $\dashv$ | $\dashv$  |
|          | 20       | Х       | X       | X       |            |   |          | H        | Н      | _        |          | 70       | H        | 1             | †      | H      | T        |          | 7         | ┪         | 一   |        | 120      | _        |          | _        |        | $\dashv$ | $\neg$    | $\dashv$ | ᅥ        | 一         |
| 寸        | 21       | X       | Х       | х       |            | - |          | П        |        | _        |          | 71       | $\Box$   | +             | T      | H      |          |          | 寸         | ┪         | r   |        | 121      | _        | $\neg$   |          |        | $\dashv$ |           | $\dashv$ |          | $\dashv$  |
| 寸        | 22       |         | X       | Х       |            |   |          | П        | Н      |          |          | 72       | Ħ        |               | †      |        | $\neg$   | $\neg +$ | 十         |           | r   |        | 122      |          | $\neg$   | $\neg$   |        |          |           | $\dashv$ | _        | $\neg$    |
| 寸        | 23       | х       |         | х       |            |   |          | П        | Н      |          |          | 73       | $\Box$   |               |        |        |          | $\neg$   | 十         | $\neg$    | 一   |        | 123      | _        | 寸        |          |        | 寸        | $\neg$    | $\neg$   | $\dashv$ | $\neg$    |
| $\neg$   | 24       | Х       | Х       | Х       | П          |   |          |          | П      | _        |          | 74       | $\Box$   |               | 十一     |        | 寸        | $\neg$   | 十         | $\exists$ | ٢   |        | 124      | $\neg$   | 寸        | $\neg$   |        | 一        |           | $\dashv$ | $\dashv$ |           |
| ヿ        | 25       | Х       | Х       | Х       | Н          |   |          |          | $\Box$ | _        |          | 75       |          | _             | 1      |        |          | 十        | 十         | ┪         | r   |        | 125      | $\dashv$ | 寸        | $\neg$   |        |          |           | _        | 寸        | $\neg$    |
| T        | 26       |         | Х       | Х       |            |   |          |          | H      |          |          | 76       |          |               | 十      |        |          |          | +         | 7         | ľ   |        | 126      |          | 寸        | ┪        |        | 寸        | T         | ヿ        | ヿ        |           |
| 一        | 27       |         | х       | Х       |            |   |          |          | П      |          |          | 77       |          | 1             | 1      | -      |          |          | 十         | _         | r   |        | 127      |          | 寸        | _        |        | 一        |           | $\dashv$ | ヿ        |           |
| T        | 28       | Х       | X       | X       |            |   |          |          | П      |          |          | 78       | $\Box$   | 1             | †      |        | 7        |          | す         |           | -   |        | 128      | 7        |          |          |        | $\neg$   |           | $\neg$   | $\dashv$ | $\neg$    |
| T        | 29       | х       | X       | x       |            |   |          |          | H      |          |          | 79       | H        |               | 1      |        | _        | T†       | 寸         |           | Ì   |        | 129      | $\neg$   |          |          |        |          | _         | $\dashv$ | ヿ        |           |
| T        |          |         | х       | х       | П          |   |          | П        | $\Box$ |          |          | 80       |          |               | +      | H      | 7        |          | 1         |           | 上   |        | 130      | 7        | 寸        | _        |        | _        |           |          | -        | $\neg$    |
| 寸        | 31       | Х       | Х       | x       |            |   |          | Н        | H      | $\dashv$ |          | 81       | $\vdash$ | $\dashv$      | T      | H      | 7        | $\dashv$ | 十         | ┪         | 上   |        | 131      | $\dashv$ | 寸        | 一        | _      | $\neg$   | $\neg$    | $\neg$   | _        | $\dashv$  |
| $\dashv$ | 32       | Х       | Х       | X       | П          |   |          |          | H      | _        | <b>—</b> | 82       | $\vdash$ | $\dashv$      | T      |        | 寸        | $\neg +$ | +         | $\neg$    | ı   |        | 132      | 7        | 7        |          |        |          | _         | $\dashv$ | 寸        | $\dashv$  |
| 一十       | 33       | X       | Х       | Х       |            |   |          |          | H      | _        |          | 83       |          | _             | $\top$ |        |          | 十        | 十         | _         | 一   | $\neg$ | 133      | 7        | ┪        | _        |        |          |           | $\dashv$ | 寸        | ヿ         |
| T        | 34       | X       | X       | X       |            |   |          | М        | H      | $\dashv$ |          | 84       |          | _             | 1      |        | 7        | 十        | 十         |           | ŀ   |        | 134      | _        | _        |          |        |          |           | _        | $\dashv$ | _         |
| _        | 35       | х       | Х       | х       | П          |   |          | П        | H      | _        |          | 85       | $\vdash$ |               |        |        |          | $\dashv$ | 十         | $\neg$    | 一   |        | 135      | $\neg$   | 一        |          |        |          |           | $\dashv$ | $\neg$   | $\neg$    |
| 一        | 36       | X       | X       | Х       |            |   |          | П        | Н      | _        |          | 86       | $\Box$   | $\top$        | $\top$ |        | _        |          | 1         | $\neg$    | 一   |        | 136      |          | 寸        |          |        |          | _         | _        | 寸        | ヿ         |
|          | 37       | X       | X       | х       |            |   |          | П        | П      | $\neg$   |          | 87       | H        | $\top$        | $\top$ |        |          | 7        | 十         | ┪         | 一   |        | 137      |          | 寸        |          |        |          | $\exists$ | $\dashv$ | 7        | ┪         |
|          | 38       |         | х       | х       |            |   |          |          | П      | $\neg$   |          | 88       |          |               | 1      |        | T        | 一        | 寸         | ┪         | h   |        | 138      |          | _        |          |        |          | 寸         | $\neg$   | $\neg$   |           |
|          | 39       | Х       |         | х       |            |   |          |          | Ħ      |          |          | 89       |          | $\neg \vdash$ | T      | П      | _        | 一        | 1         |           | ı   |        | 139      |          | 寸        |          |        |          |           | 寸        | ヿ        | _         |
| 寸        | 40       | х       | х       | х       |            |   |          |          | П      |          |          | 90       | $\Box$   |               | 1      | П      | $\neg$   |          | 寸         | $\neg$    | ı   |        | 140      |          | ヿ        |          |        |          |           | ヿ        | ヿ        | $\neg$    |
| 寸        | 41       | Х       | Х       | Х       | П          |   |          | П        | $\Box$ | $\neg$   |          | 91       | $\Box$   | $\neg$        | 1      | П      |          |          | $\dashv$  | ┑         | 一   |        | 141      |          | _        |          |        |          | _         | $\neg$   | 寸        | ヿ         |
| $\dashv$ | 42       | X       | Х       | Х       | П          |   |          | П        | П      | $\neg$   |          | 92       |          |               | 1      | П      |          | $\dashv$ | $\forall$ | $\neg$    | r   |        | 142      |          | $\dashv$ | $\neg$   |        |          |           | $\dashv$ | ヿ        | $\dashv$  |
| _        | 43       | X       | X       | X       | Н          |   | Н        | М        | H      | $\neg$   |          | 93       |          | $\dashv$      | T      |        |          | 十        | 7         |           |     |        | 143      | 7        | $\dashv$ |          |        |          |           | $\neg$   | ヿ        |           |
| $\dashv$ | 44       | X       |         | X       | Н          |   | П        | П        | H      | $\neg$   |          | 94       |          |               | T      |        | 寸        | 十        | $\forall$ | $\exists$ | r   |        | 144      |          | $\dashv$ | $\neg$   |        | $\dashv$ | $\neg$    | $\dashv$ | $\dashv$ | $\dashv$  |
| $\dashv$ | 45       | X       | Х       | X       |            |   | П        | П        | H      | $\neg$   |          | 95       | $\Box$   | $\neg$        | T      |        | _        | 十        | 寸         | $\dashv$  | ۲   |        | 145      |          | $\dashv$ | $\dashv$ | $\Box$ | $\dashv$ | $\dashv$  | $\dashv$ | $\neg$   | $\dashv$  |
| $\dashv$ | 46       | X       | X       | X       |            |   | $\vdash$ | П        | П      | ┥.       |          | 96       | $\vdash$ | $\neg$        | T      |        | _        | 十        | +         | $\exists$ | l   |        | 146      | $\dashv$ | $\dashv$ | $\dashv$ | $\neg$ | $\dashv$ | $\dashv$  | $\dashv$ | $\dashv$ | $\dashv$  |
| $\neg$   | 47       | х       | х       | X       |            |   |          | П        | $\Box$ | $\neg$   |          | 97       | $\sqcap$ | $\neg$        | 1      | $\Box$ | $\neg$   | _        | ヿ         | $\neg$    | ۲   |        | 147      | $\neg$   | 一        |          |        | $\neg$   | $\neg$    | $\dashv$ | $\neg$   | $\neg$    |
| _        | 48       | X       | Х       | Х       |            |   |          | П        |        | $\neg$   |          | 98       | $\sqcap$ |               | T      | 1-1    |          | $\top$   | す         | $\neg$    | T   |        | 148      | 7        | $\neg$   |          |        |          |           | $\neg$   | $\dashv$ | $\exists$ |
| _        | 49       |         |         | Х       |            |   |          | П        |        | $\neg$   |          | 99       | $\Box$   |               | 1      |        | _        | 十        | 十         | $\neg$    | ı   |        | 149      | 寸        | 1        | $\neg$   |        | $\neg$   | $\neg$    | $\dashv$ | $\neg$   | $\neg$    |
|          | 50       |         |         |         |            |   |          | П        |        | $\neg$   |          | 100      | $\Box$   | $\dashv$      | $\top$ | П      |          | 十        | $\top$    | $\neg$    | ı   |        | 150      | 一        | 一        |          |        |          | $\neg$    | $\dashv$ | $\neg$   |           |
|          |          | _       |         | _       |            |   |          |          |        |          | _        | • • • •  |          |               | _      |        |          |          |           | _         | ٠.  |        |          |          |          |          |        |          |           |          | _        |           |